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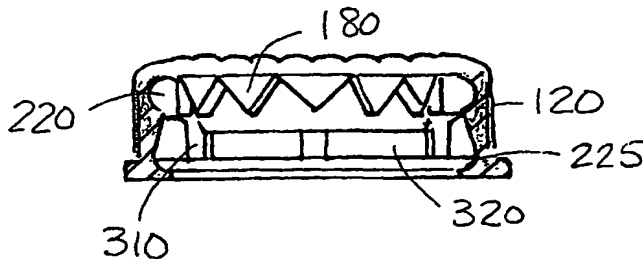
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(54) Title: TAMPER-EVIDENT QUICK TWIST CLOSURE



(57) Abstract: A cap (100) with a tamper-evident ring (300) is designed to snap engage a container (200) that is provided with an upper (220) and lower bead (225). A ring of teeth (180) provided along an inside skirt of the cap engage teeth (230) located along an inside wall of the container. When the cap is snapped onto the container, both sets of teeth automatically engage and a plug seal (150) provided on the cap engages the container upper bead (220). By turning the cap (100) clockwise or counterclockwise, the side angles of the teeth force the cap to disengage upwards over the upper bead and unsnap from the container. When the closure is opened for the first time, the ring (300) breaks away from the cap (100) and slides down the container below the lower bead (225), which keeps the ring from coming off the container and provides evidence that the cap had been opened.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20264

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B65D 41/47  
US CL : 215/252, 318, 321

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 215/252, 295, 296, 303, 317, 318, 320, 321, 354

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,430,798 A (GOYET et al) 04 March 1969, see entire document.	1-22
Y	US 3,955,696 A (FINKE) 11 May 1976, see entire document.	1-22
Y	US 3,910,444 A (FOSTER) 07 October 1975, see entire document.	11-12,21-22
A	US 3,982,651 A (BRAUN et al) 28 September 1976, see entire document.	1-22
A	US 3,372,834 A (AYOTTE et al) 12 March 1968, see entire document.	1-22
A	US 6,330,959 B1 (DARK) 18 December 2001, see entire document.	1-22

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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